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### (54) INTAKE AIR COOLING DEVICE FOR **ENGINE**

(71) Applicant: MAZDA MOTOR CORPORATION,

Hiroshima (JP)

Hidenari KONDO, Inventor:

Higashihiroshima-shi (JP)

Assignee: MAZDA MOTOR CORPORATION, (73)

Hiroshima (JP)

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#### ABSTRACT (57)

An intake air cooling device includes an intake manifold communicating with intake ports, and an intercooler disposed laterally of a cylinder head for cooling intake air. The intake manifold includes a manifold body fastened to the cylinder head, and a cooler forming portion communicating with the upstream end of the manifold body and constituting the lower end of the intercooler. Assuming that the cooler forming portion is a second cooler forming portion, the intercooler includes a first cooler forming portion mounted on the upper portion of the second cooler forming portion. The intercooler is constituted by the first and second cooler forming portions. The manifold body includes a plurality of fixing portions fastened to the surface of the cylinder head. The fixing portions are located on the outside of the second cooler forming portion in a side view along a direction orthogonal to the cylinder array direction.

